

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on line 6 of page 10 to read as follows:

The desired physical and mechanical characteristics of the polymer membranes of the present invention will depend upon particular fuel cell applications. In one particular application, the membranes of the present invention will comprise homogeneous, nonporous films having a thickness in the range of approximately 50-150 microns. The molecular weight of the polymer comprising these membranes will be approximately 10^6 daltons. The membranes are readily cast from solvents utilizing conventional techniques. Membranes of this type function very well at temperatures as high as 250°C, and are thermally stable up to approximately 400°C. The electrical conductivity of this group of membranes is typically greater than 0.01 S/cm.